

## PART B - FEE(S) TRANSMITTAL

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51472 7590 07/17/2009

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Certification Under 37 C.F.R. §1.8  
 Date of Mailing or Transmission: 09-25-2009

I hereby certify that I have caused the document indicated herein on the date indicated above to be transmitted via the Office Electronic Filing System (EFS) in accordance with 37 C.F.R. §1.6(a)(4).

/SXShort/ Reg. No. 45,105  
 Shayne X. Short, Ph.D., Reg. No. 45,105

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the **Mail Stop ISSUE FEE** address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

**Shayne X. Short, Ph.D. (Reg. No. 45,105)** (Depositor's name)

**/SXShort/ Reg. No. 45,105** (Signature)

**09-25-2009** (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/779,825	02/17/2004	Gottfried Ungerboeck	BP2431	9140

**TITLE OF INVENTION: ZERO EXCESS BANDWIDTH MODULATION**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/19/2009
EXAMINER	ART UNIT	CLASS-SUBCLASS				
TIMORY, KABIR A	2611	375-295000				

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 **Garlick Harrison & Markison**  
 2 **Shayne X. Short**  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Broadcom Corporation**

**Irvine, California**

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:

- Issue Fee  
 Publication Fee (No small entity discount permitted)  
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- A check is enclosed.  fee submitted on-line via the Office Electronic Filing System (EFS).  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____	Date 09-25-2009
Typed or printed name _____	Registration No. 45,105

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